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(54) SEMICONDUCTOR FOR PHOTOELECTRIC TRANSFER MATERIAL OF SUPERIOR PHOTOELECTRIC TRANSFER EFFICIENCY AND DURABILITY, PHOTOELECTRIC TRANSFER ELEMENT, AND SOLAR BATTERY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a semiconductor for a photoelectric transfer material and a photoelectric transfer element, having superior photoelectric transfer efficiency compatible with safety, and to provide a solar battery, using this semiconductor for the photoelectric transfer material and the photoelectric transfer element.

SOLUTION: This semiconductor for the photoelectric transfer material has the feature that its sensitivity is increased by at least one kind of organic metal complex selected from among organic metallic complexes, having both an ionic coordinate bond formed by an nitrogen anion and an metal cation and a coordinate bond formed between a nitrogen atom or a chalcogen atom and the metal cation.

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